

What is claimed is:

1. A flat display unit comprising:
a display panel;
a circuit board for driving the display panel; and
a chassis for combining the display panel and the circuit board into a
unit, said chassis having first and second surfaces opposite to each other on
which the display panel and the circuit board are mounted, respectively,
wherein the chassis further comprises a side wall extending from the
edge of the first surface on which the display panel is mounted,
perpendicularly to the first surface, and covering the periphery of the display
panel.

2. A flat display unit as set forth in claim 1, wherein said chassis further
comprises another side wall extending from the edge of the second surface on
which the circuit board is mounted, perpendicularly to the second surface, and
covering the periphery of the circuit board.

3. A flat display unit as set forth in claim 1 or 2, wherein said chassis
includes fins provided on the second surface the circuit board is mounted
thereon, in the form of a plurality of protrusions.

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comprises first and second sub-chassis on which the display panel and the circuit board are mounted, respectively, wherein the first and second sub-chassis are joined together through respective rear surfaces thereof.

Fig. 5E

Fig. 6

6. A flat display unit as set forth in claims 1 or 2, wherein said chassis has a cut-out formed at a side thereof, the cut-out allowing a cable to pass therethrough for electrically interconnecting the display panel and the circuit board.

Fig. 7

7. A flat display unit including a chassis mounted with a display panel and a circuit board for driving the display panel, on both surfaces thereof, respectively, for combining the display panel and the circuit board into a unit, wherein the chassis comprises a pair of recesses provided in both of the surfaces, respectively, and the display panel is adhered to one of the recesses by adhesive means and the circuit board is secured to another of the recesses by securing means, and wherein the display panel and the circuit board are electrically interconnected each other by a wiring cable which is led to both of the surfaces of the chassis through a through-hole provided in the chassis.

8. A method for fabricating a flat display unit in which a display panel and a circuit board for driving the display panel are combined into a unit through a chassis, the method comprising the steps of:

connecting each of terminals at an end of a flexible cable to corresponding one of a plurality of electrode terminals exposed on an edge of the display panel;

preparing a chassis having front and rear surfaces opposite to each other, a side wall extending from the periphery of the chassis, perpendicularly

to the front surface, and a recess defined on the front surface by the side wall surrounding thereof;

accommodating the display panel in the recess and adhering thereto the display panel;

extending another end of the flexible cable to the rear surface of the chassis through a through-hole provided in the chassis;

mounting the circuit board on the rear surface of the chassis;

connecting said another end of the flexible cable to the circuit board, so that the circuit board and the display panel are in a mutually conductive condition.

9. A method for fabricating a flat display apparatus in which a display panel and a circuit board for driving the display panel are combined into a unit through a chassis, the method comprising the steps of:

connecting each of terminals at an end of a flexible cable to corresponding one of a plurality of electrode terminals exposed on an edge of the display panel;

preparing a first chassis having front and rear surfaces opposite to each other, a side wall which extends from the periphery of the first chassis, perpendicularly to the front surface, and a recess defined on the front surface by the side wall surrounding thereof;

accommodating the display panel in the recess and adhering thereto the display panel;

extending another end of the flexible cable to the rear surface of the first chassis through a through-hole provided in the first chassis;

mounting the circuit board on a front surface of a second chassis having a rear surface opposite to the front surface thereof;

Figs. 5

passing said another end of the flexible cable through a through-hole provided in the second chassis so as to extend to the front surface of the second chassis;

adhering respective said rear surfaces of the first and second chassis; connecting said another end of the flexible cable to the circuit board, so that the circuit board and the display panel are in a mutually conductive condition.

10. A method for fabricating a flat display apparatus as set forth in claim 8, wherein the chassis further comprises a cut-out provided on an edge thereof, and the circuit board and display panel are connected each other by the flexible cable passing through the cut-out.

11. A method for fabricating a flat display apparatus as set forth in claim 9, wherein each of the first and second chassis further comprises a cut-out provided on a respective corresponding one of edges thereof, and the circuit board and display panel are connected each other by the flexible cable passing through the cut-out.

12. A chassis to be used in a flat display unit, wherein a display panel and a circuit board are respectively mounted on a pair of opposite surfaces of the chassis and combined into a unit, and wherein the chassis comprises a side wall extending from the periphery thereof, perpendicularly to one of the surfaces, on which the display panel is mounted.

13. A chassis as set forth in claim 12, wherein the chassis further comprises a through-hole connecting the pair of opposite surfaces on which the display panel

and the circuit board are respectively mounted and the display panel and the circuit board are electrically connected by a flexible cable passing through the through-hole.

add A1